CLAIMS

1. A joint (17) for connection to a machine setting device (5) mounted in a parallel-kinematical machine (1), wherein the setting device (5) is adapted to move a machine-connected position head (16) in space, **characterized in that** the setting device (5) is mounted about a wobbler (30, 106) for rotation about a wobbler axis (50) wherein the wobbler (30, 106), is, in turn, mounted for rotation about a main axis (20) that extends through the setting-device bearing means around the wobbler (30, 106).

2. A joint according to claim 1, **characterized in that** the joint (17) is disposed between the setting device (5) and the positioning head (16) or, alternatively, between the setting device (5) and/or a frame (3), wherein one end (31) of the setting device (5) is mounted for rotation about the wobbler (30, 106) which, in turn, is rotatably mounted to the positioning head (26) and/or to the frame (3) for rotation about said main axis (20).

3. A joint according to anyone of claims 1-2, **characterized in that** the wobbler axis (50) and the main axis (20) mutually intersect at an angle α, where $1° \leq \alpha \leq 45°$.

4. A joint according to anyone of claims 1-3, **characterized in that** the wobbler axis (50) and the main axis (20) mutually intersect at an angle α, where $5° \leq \alpha \leq 20°$.

5. A joint according to anyone of claims 1-4, **characterized in that** the wobbler (30,106) includes an external bearing mounting surface (34) or an external bearing surface on which the setting device (5) is mounted.

6. A joint according to anyone of claims 1-5, **characterized in that** the wobbler (30, 106) is firmly connected to a supporting shaft (33) which has two

ends (35, 36) that are rotatably connected to the positioning head (16) and/or the frame (3).

7. A joint according to anyone of claims 1-5, **characterized in that** the wobbler (30, 106) is rotatably connected to a supporting shaft (33) which includes two ends (113, 114) of which at least one end (114) is connected to the positioning head (16) and/or the frame (3).

8. A joint according to claim 7, **characterized in that** one end (113) of the supporting shaft is inserted in a first joint mounting means (102) which is secured axially by a clamp coupling (112); and in that the other end (114) of the supporting shaft is firmly connected to a second joint mounting means (104).

9. A joint according to anyone of claims 1-8, **characterized in that** the angle α is orientated in relation to the supporting shaft (33) when the setting device (5) is fitted to the positioning head (16) and/or the frame (3), so as to permit tilting between the setting device (5) and the wobbler (30, 106) by a rotation of the wobbler (30, 106) about the main axis (20).